

Amendments to the Drawings:

The attached 10 sheets of drawings are submitted to replace the original 16 sheets of drawings.

Sheets 1 and 2 replace original sheets 1 and 2, and have been amended to eliminate extra text.

Sheets 3-5 replace original sheets 3-5, and have been amended to eliminate extra text and to renumber the figures.

Sheet 6 replaces original sheets 6-8, and has been amended to delete figures 4a and 5a, to renumber the figures and to add sequence ID numbers.

Sheet 7 replaces original sheets 9 and 10, and has been amended to delete figures 6a and 7a, to renumber the figures and to add sequence ID numbers.

Sheet 8 replaces original sheet 11, and has been amended to eliminate extra text.

Sheet 9 replaces original sheets 12-14, and has been amended to delete figures 9a and 10a, to renumber the figures and to add sequence ID numbers.

Sheet 10 replaces original sheets 15 and 16, and has been amended to delete figures 11a and 12a, to renumber the figures and to add sequence ID numbers.

Attachment: Replacement Sheets (ten)

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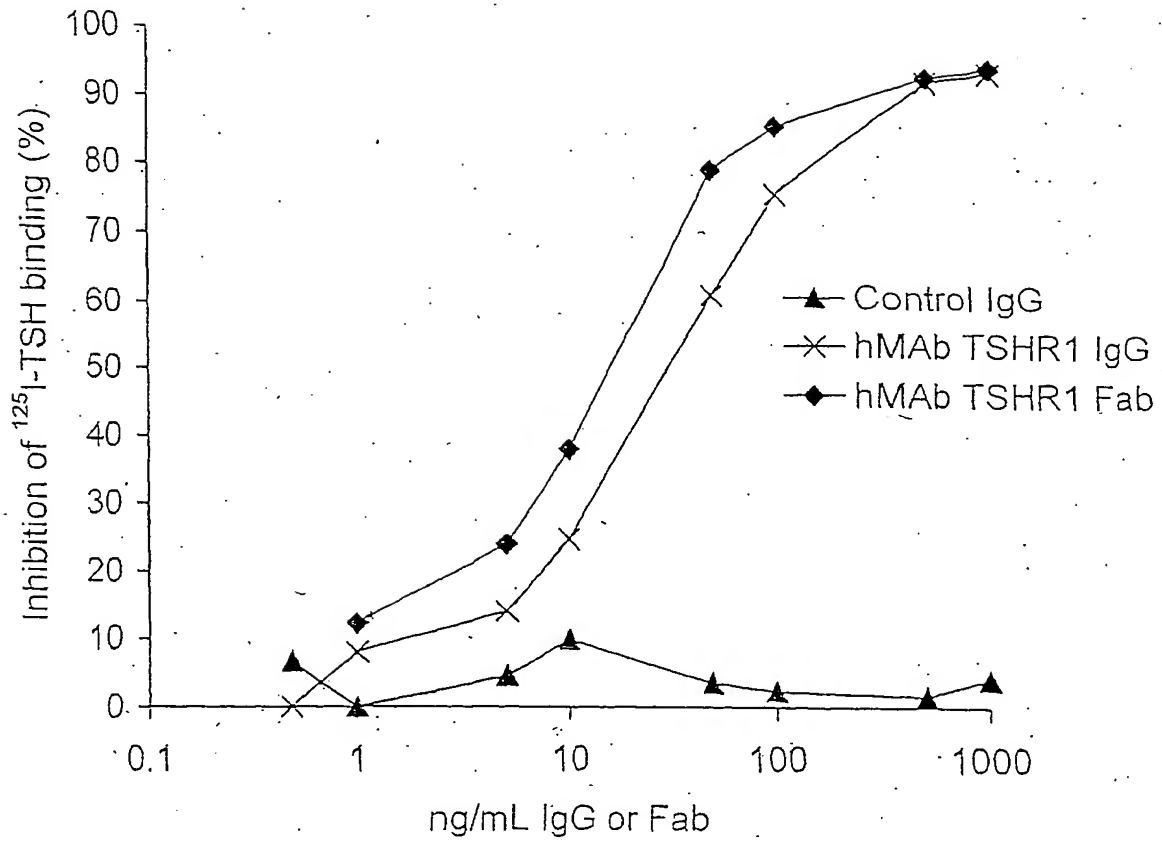


Fig. 1

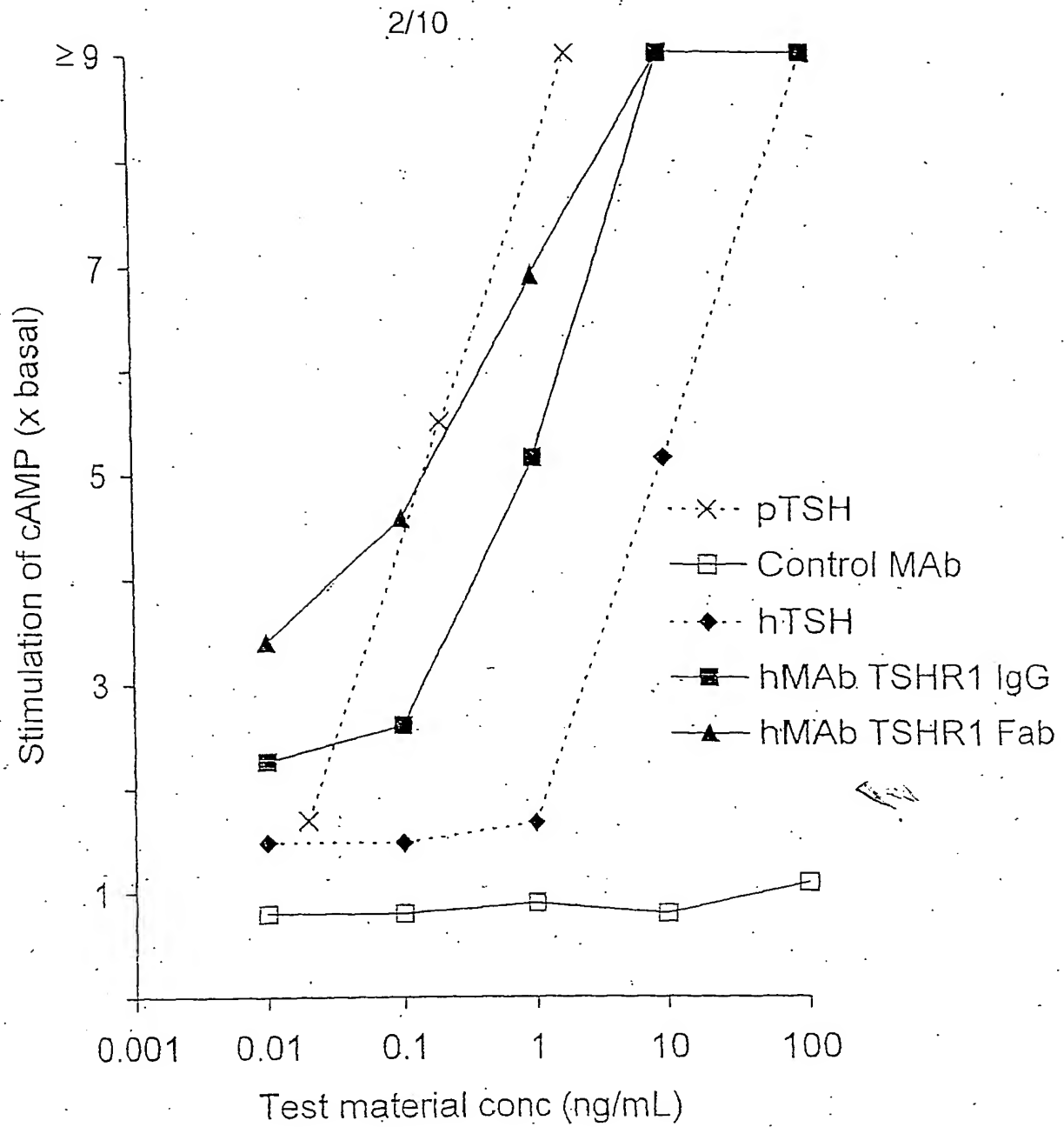


Fig. 2

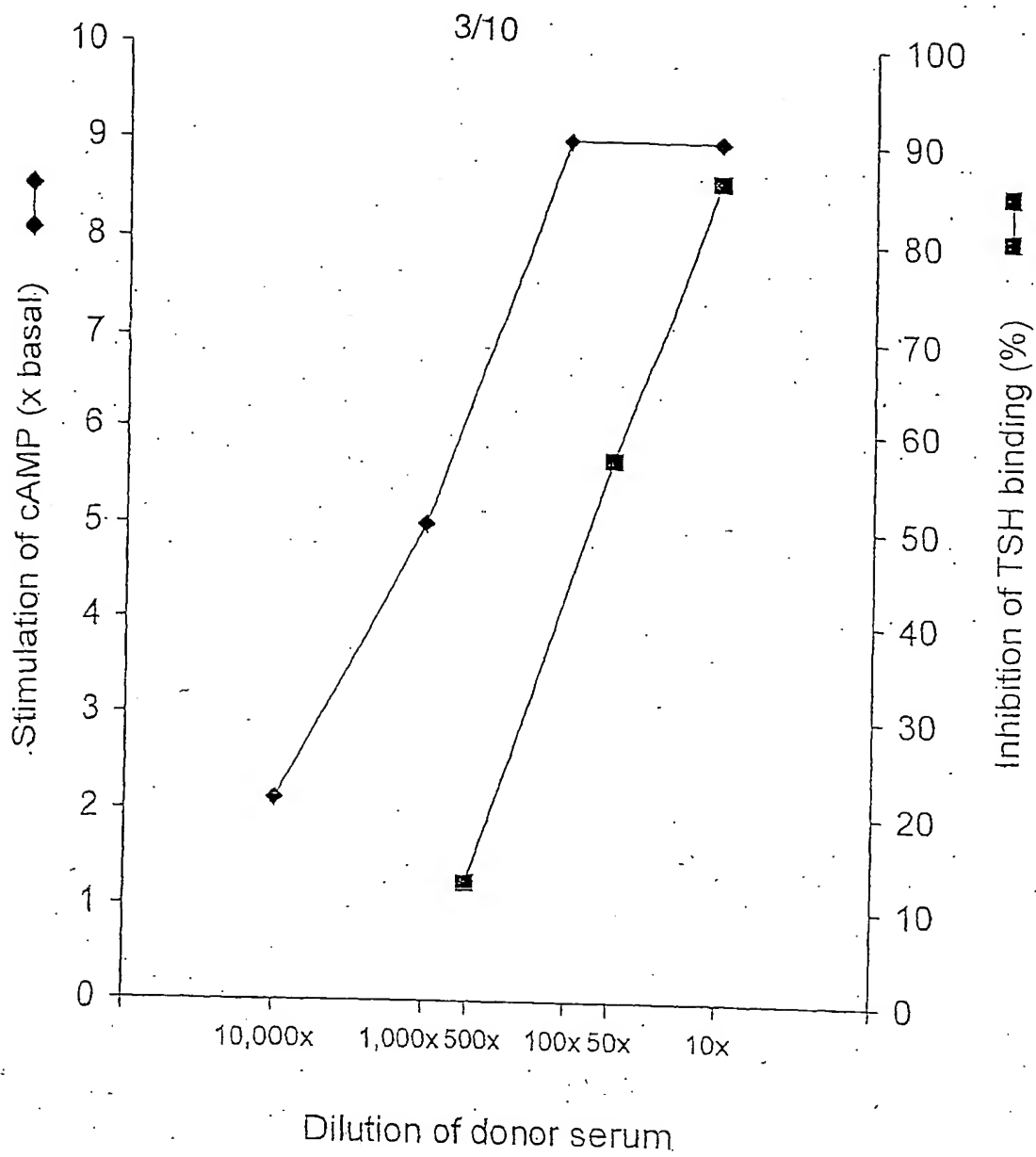


Fig. 3A

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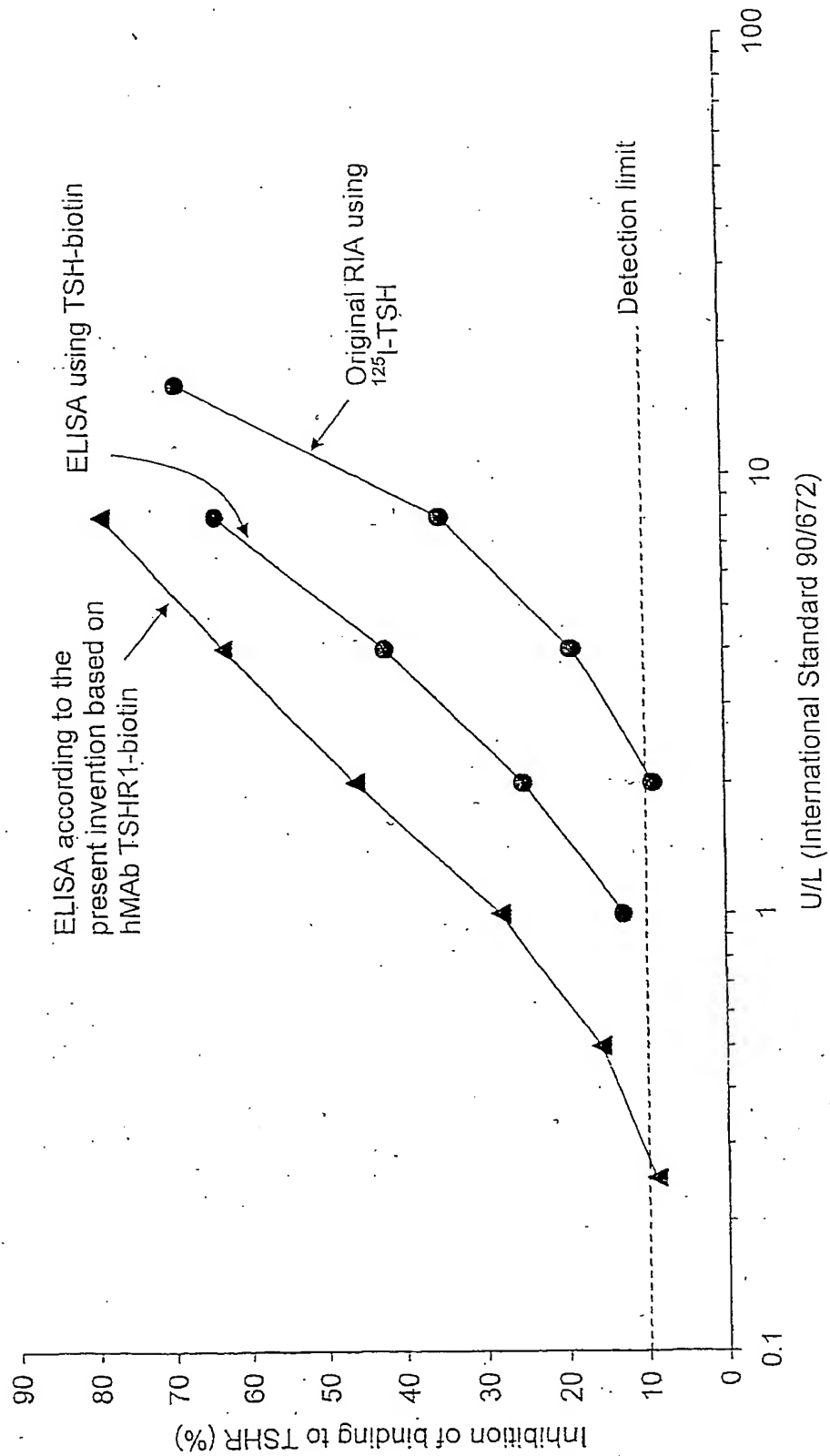


Fig. 3B

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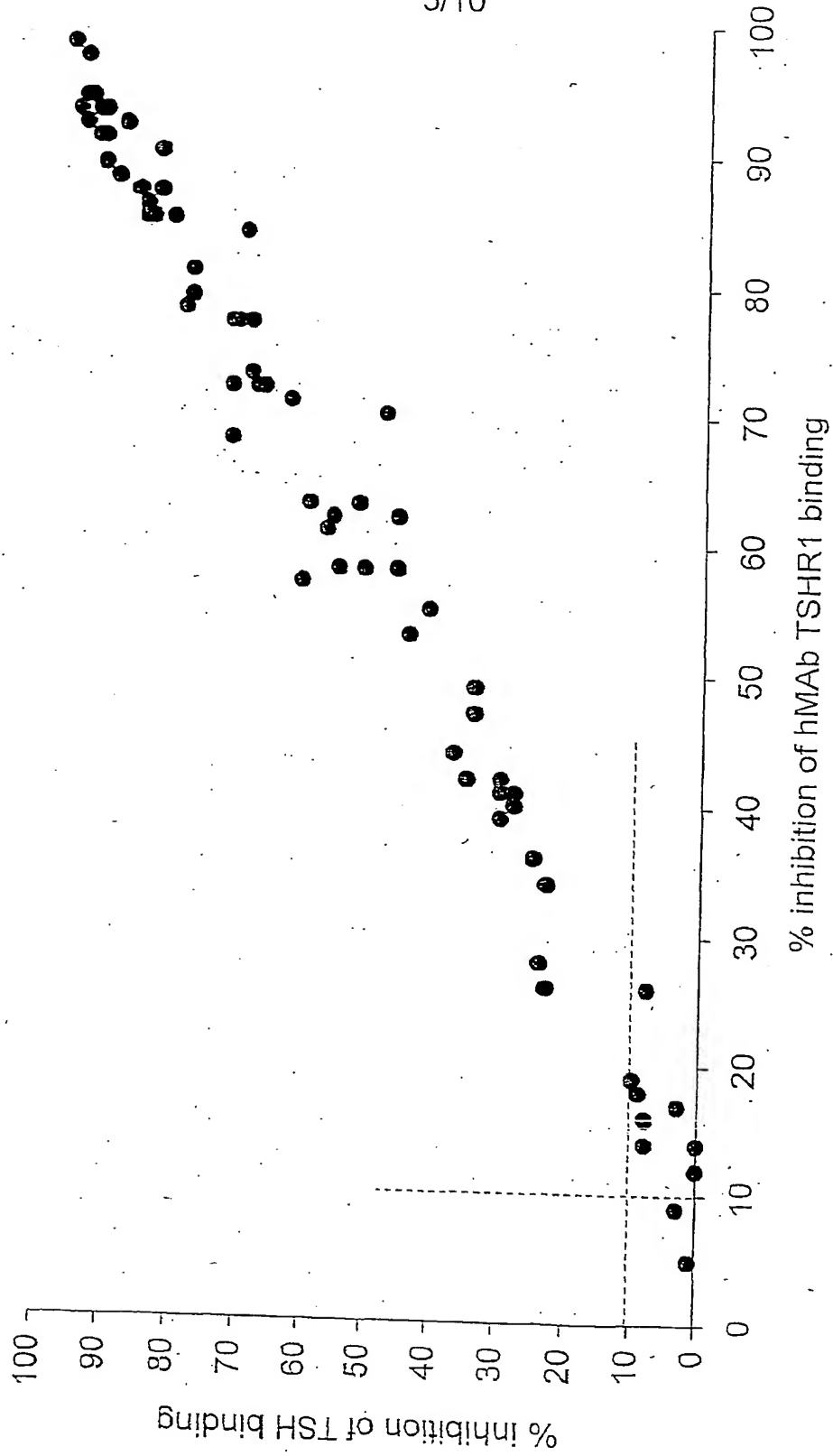


Fig. 3C

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caaatgcagctgggtgcagtctggagcagaggtgaaaaagcccggggagtc 50
 PCR primer
 tctgaagatctcctgtaggggttctggatacaggttaccagcctactcga 100
 CDR I
 tcaactgggtgcgccagctgcccggaagcctagagtggatgggcagg 150
 CDR II
 attgatcctactgactcttataccgactacagccaccccttcaaggcca 200
 cgtcaccgtctcagctgacaagtcacatcaacactgcctaectgcagtgga 250
 gcagcctgaaggcctcggacaccggcatgtattactgtgcgaggcaggaa 300
 CDR III
 ccgggctatagcagcaccctggctcgtcaaatggggccagggaaccctgg 350
 constant region
 caccgtctcctcagcctccaccaagggcccatcggtcttccccc 394

SEQ ID NO: 14

Fig. 4

QVQLVQSGAEVKKPGESLKISCRGSGYRFTSYWLNWVRQLPGKGLEWMGR 50
 CDR I
 EDPTDSYTNYSPTKGHVTVSADKSINTAYLQWSSLKASDTGMYICARIS 100
 CDR II
 PCYSSISYNNWGQGLVTVSSASTKGPSVFP 131
 CDR III constant region

SEQ ID NO: 5

Fig. 5

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ctgcctgtgctgactcagccaccctcggtgtctggagccccccaggcagag 50
PCR primer
ggtcaccatctcctgttctggaaacagctccaaacaacggaaataacgctg 100
CDR I
taaacctgggtaccagcagctcccaggaaaggctcccaaactcctcatttat 150
tatgatgatcaactgccctcaggggtctctgaccgattctctggctccag 200
CDR II
gtctggcacctccgctccctggccatccgtggggtccagtctgaggatg 250
aggctgattattactgtacatcatgggatgacagcctggatagtcactg 300
CDR III
ttcggcgggagggaccaggctgaccgtccttaggt 333

Fig. 6

SEQ ID NO: 15

LTVLTQPPSVSGAPRQRTISC~~SGNSNIGNNAYN~~WYQQLPGKAPKLLIY 50
CDR I
YDDQLPSGVSDRFSGSRSGTSASLAIRGLQSEDEADYYC~~PSWDDSLDSQT~~ 100
CDR II CDR III
FGGGTRLTLVLG 111

SEQ ID NO: 6

Fig. 7

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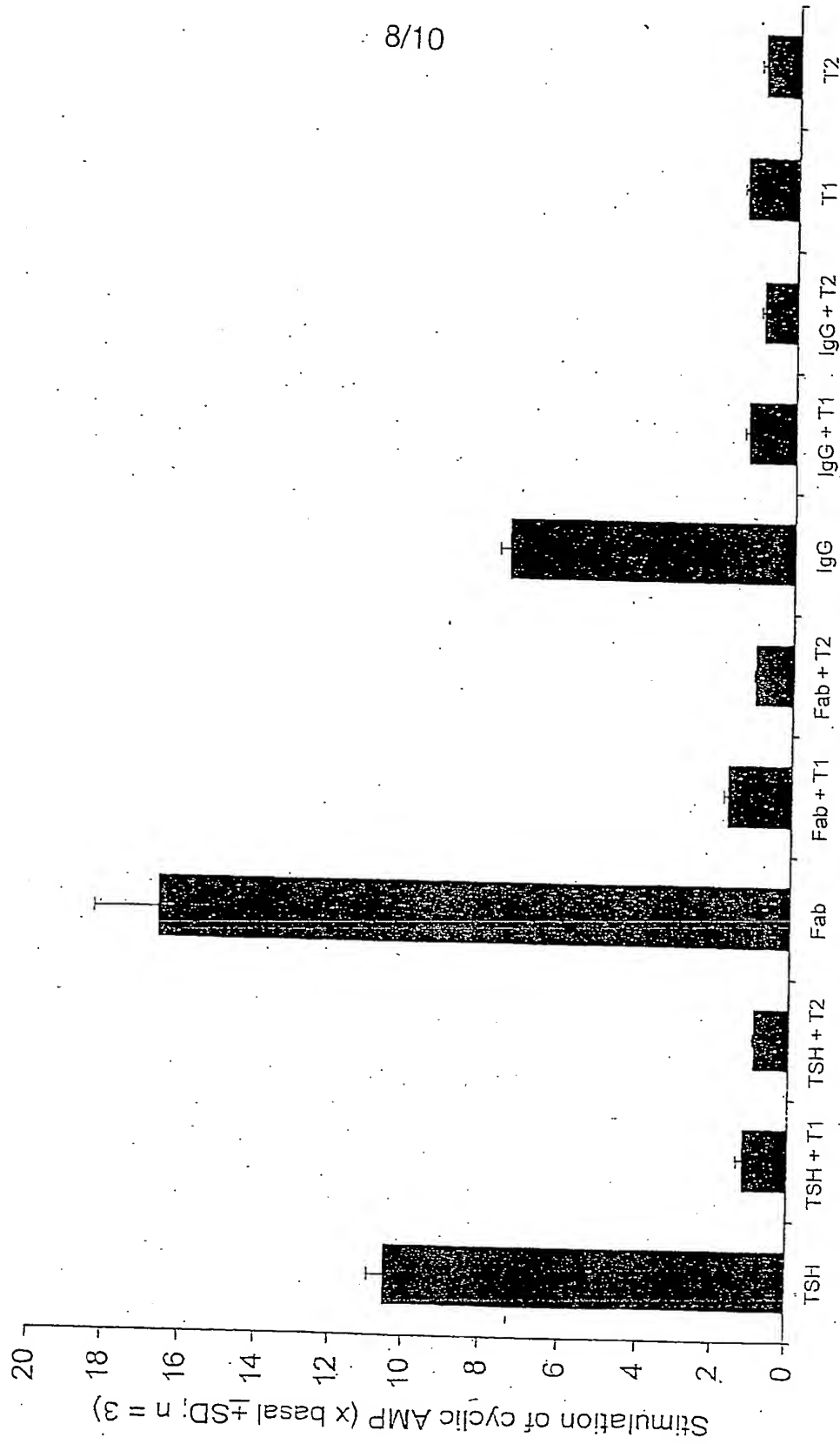


Fig. 8

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gacgtccagatccagcagcctgggactgagcttgtgaagcctggggcttc 50
 PCR primer

agtgagactgtcctgcaaggcttctggctacaccttcaccacctactgga 100
 CDR I

tgcactgggtgaagcagaggcctggacaaggccttgagtggatcggaagag 150
 CDR II

attgatccttctgatagttataactataatcaaaagttcaagggc 200

ggccacattgactgtagacaatcctccagcacagcctacatgcacctca 250

gcagcctgacatctgaggactctgcggtctattactgttcaagaactac 300
 CDR III

ggtagtggctactactttgactactggggccaaggcaccactctcacagt 350

ctcctcagccaaaacaacacccc 373
 constant region

SEQ ID NO: 33

Fig. 9

DVOIQQPGTELVKPGASVRLSCKASGYTFRTIYWMHFWVKQRPQGGLWIG 50
 PCR primer CDR I

IDPSDSYTNYNQKFKGKATLTVDKSSSTAYMHLSSLTSEDSAVYYCSRNY 100
 CDR II CDR III

GSGYYFDYWGQGTTTLTVSSAKTTP 124
 constant region

SEQ ID NO: 23

Fig. 10

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ggcgttgagatgacacagtcgccagcaatcatgtctgcatctccagggga 50
 PCR primer
 gaaggtcaccatgacctgcagtgccagctcaagtgttaagttacatgcaqt 100
 CDR I
 ggtaccagcagaagtcaggcacctccccaaaagatggatttatgacaca 150
 CDR II
 tccaaactggcttctggagtccttgcctgccttcagtggcagtgggtctgg 200
 gacctcttactctctcacaatcagcagcatggagactgaagatgctgcca 250
 CDR III
 cttattactgcagcagtgaggtagtaacccgtggacgttcggtggaggc 300
 accaaactggaaatcaaacggctgatgctgc 331
 constant region

SEQ ID NO: 38

Fig. 11

GVENTQSPAIMASASPGEKVTMTCSASSSVSYMHWYQQKSGTSPKRWIYDT 50
 PCR primer CDR I
 SKLASGVPARFSGSGSGTSYSLTISSMETEDAATYYCQQWSSNPWTFGGG 100
 CDR II CDR III
 TKLEIKRLML 110
 constant region

SEQ ID NO: 28

Fig. 12